BULLETIN

OF THE NEW YORK
ACADEMY OF MEDICINE



BULLETIN OF THE NEW YORK ACADEMY OF MEDICINE

CONTENTS	52525252525 0 0 0 0
Steroids, Lysosomes and Systemic Lupus Erythematosus Gerald Weissmann and Lewis Thomas	779
The Clinical Significance of the Ultrastructure of the	0
ปี Nervous System—a symposium	788
The Chemistry of the Individual Neuron Oliver H. Lowry	7 ⁸ 9
Regional Neurochemistry and Its Application to	ָ ׆
Brain Function	799 <u>[</u>
The Neurological and Psychiatric Implications of Basic Studies of the Ultrastructure of the Nervous	000
System	813
Discussion	817 C
Remarks on Tropical Dermatology	819 C
Tribute to Harold G. Wolff, M.D	826 C
Section on Microbiology: Abstracts	830
New York Heart Association—Part I: Abstracts	834
Index, Volume 38, 1962	841 C
AUTHORS ALONE ARE RESPONSIBLE FOR OPINIONS EXPRESSED IN THEIR CONTRIBUT ROBERT L. CRAIG, Editor	IONS C

Published Monthly by The New York Academy of Medicine 2 East 103 Street, New York 29, N. Y.

Annual subscription United States and Canada \$8.00. All other countries \$9.00. Single copies 90c

ADVERTISING OFFICE • 30 ROCKEFELLER PLAZA, N. Y. C. 20 • CIrcle 7-7706

Copyright 1962 by The New York Academy of Medicine

OFFICERS AND STAFF OF THE ACADEMY - 1962

FRANK GLENN, President

Vice-Presidents

M. RALPH KAUFMAN

RUSTIN McIntosh

ARTHUR M. MASTER

SHEPARD KRECH, Treasurer

FREDERICK H. WILKE, Recording Secretary

Trustees

G. Jarvis Coffin STUART L. CRAIG *Frank Glenn

HAROLD BROWN KEYES

*SHEPARD KRECH SAMUEL W. LAMBERT, JR. ROBERT L. LEVY

Asa L. Lincoln JOHN L. MADDEN

WILLIAM BARCLAY PARSONS ORRIN S. WIGHTMAN

*FREDERICK H. WILKE ROBERT H. WYLIE

Council

The President

The Vice-Presidents

The Trustees

The Treasurer

The Recording Secretary

The Chairmen of Standing Committees:

WILBUR B. HURLBUT, Admission

BRONSON S. RAY, Library

MILTON J. GOODFRIEND, Public Health JAMES E. McCormack, Medical Education

NORTON S. BROWN, Special Studies

ARTHUR M. MASTER, Sections

HOWARD REID CRAIG, Director

GERTRUDE L. ANNAN, Librarian

HARRY D. KRUSE, EXECUTIVE SECRETARY, Committee on Public Health AIMS C. McGuinness, Executive Secretary, Committee on Medical Education HARRY J. BECKER, EXECUTIVE SECRETARY, Committee on Special Studies

> ROBERT L. CRAIG, EXECUTIVE SECRETARY, Committee on Publications and Medical Information

ROBERT M. BRERETON, Business Manager

DAVIS POLK WARDWELL SUNDERLAND & KIENDL, Legal Counsel

Library Consultants JANET DOE CURT PROSKAUER

EDITORIAL BOARD

CHARLES E. KOSSMANN, Chairman GERTRUDE L. ANNAN MARGARET BEVANS

RALPH W. GAUSE CHARLES A. RAGAN, JR. ROBERT L. CRAIG. Secretary and Editor

Ex Officio

THE CLINICAL SIGNIFICANCE OF THE ULTRASTRUCTURE OF THE NERVOUS SYSTEM

Symposium*

THE CHEMISTRY OF THE INDIVIDUAL NEURON

OLIVER H. LOWRY

Professor and Chairman, Department of Pharmacology; the Beaumont-May Institute of Neurology.

Washington University School of Medicine, St. Louis, Missouri

REGIONAL NEUROCHEMISTRY AND ITS APPLICATION TO BRAIN FUNCTION

SEYMOUR S. KETY

Henry Phipps Professor and Director, Department of Psychiatry, The Johns Hopkins University School of Medicine, Baltimore, Maryland

THE NEUROLOGICAL AND PSYCHIATRIC IMPLICATIONS OF BASIC STUDIES OF THE ULTRASTRUCTURE OF THE NERVOUS SYSTEM

H. HOUSTON MERRITT

Dean and Professor of Neurology, Columbia University College of Physicians and Surgeons;
Director, The Neurological Institute, Preshyterian Hospital, New York

Discussion

JOHN A. P. MILLET

Professor of Psychiatry, The New York School of Psychiatry

^{*} Held at the Combined Meeting of the New York Neurological Society with the Section on Neurology and Psychiatry, The New York Academy of Medicine, March 22, 1962.

This Symposium was supported by a Grant-in-Aid from Geigy Pharmaceuticals.

THE NEW YORK ACADEMY OF MEDICINE

Third Annual

CORRELATED CLINICAL SCIENCE COURSE

September 11, 1962 through April 30, 1963

Thirty-One Sessions

Tuesday Evenings, 8 p.m. to 10 p.m.

December 4, 1962

HEMORRHAGIC STATES

MARJORIE B. ZUCKER

Associate Professor of Physiology Sloan-Kettering Division Cornell University Medical College

THEODORE H. SPAET

Associate Professor of Pathology Columbia University College of Physicians and Surgeons

December 11, 1962

THE EFFECTS OF DRUGS ON THE HEMOLYTIC SYSTEMS JAMES H. JANDL

.... D...f...... -6 Mad

Assistant Professor of Medicine Harvard Medical School, Boston

PAUL A. MARKS

Associate Professor of Medicine Columbia University College of Physicians and Surgeons

December 18, 1962

REFRACTORY ANEMIAS

WILLIAM H. CROSBY

Chief, Department of Hematology
Walter Reed Army Institute of Research
Washington, D. C.

Bull. N. Y. Acad. Med.

G SECRETERS SECR

A

Academy Library Exhibit, Recent books on public health, 563

Academy of Medicine, Address of the President of the, Frank Glenn, 237

Academy Medal, Citation and presentation of the, to Paul Klemperer, George Baehr, 241

Academy Plaque, Citation and presentation of the, to Robert L. Levy, Howard Reid Craig, 245

Advertising, medical journal, The role of, in pharmaceutical promotion, Robert A. Hardt, 286

Advertising, Pharmaceutical, Committee on Public Health, 46

Albert, Roy E., Handling of patients contaminated by or exposed to radioactive isotopes and ionizing radiation, see Symposia, Today's medical problems in ionizing radiation, 727

Allergic states, Management of, See Panel Meetings, 390

Amblyopia, Pathophysiology of, Arthur Linksz, 311

Analeptics? Why use, Leonard Brand and Lester C. Mark, 702

Anniversary Discourse, The municipal hospital system in transition, Ray E. Trussell, 221

Antinuclear factors and serum complement in systemic lupus erythematosus, J. H. Morse, H. J. Müller-Eberhard and H. G. Kunkel, 641

Atchley, Dana W., Moderator, see Panel Meetings, Recognition and management of the common psychoneuroses, 88

Auenbrugger, Joseph Leopold, The Inventum Novum of, J. James Smith, 691

В

Baehr, George, Citation and presentation of the Academy Medal to Paul Klemperer, 241

Baggy eyelids, Diagnosis and treatment of, Byron Smith and Carl V. Fasano, 163

Baldwin, Horace S., Moderator, see Panel Meetings, Management of allergic states, 390

Barnett, Henry L., see Panel Meetings, Potassium therapy, 21

Becker, E. Lovell, The nephrotic syndrome in adults, 3

Biological control of cancer, Prospects for, Robert C. Mellors, 75

Bodansky, Oscar, New functional principles in diagnostic aspects of liver disease, 711

Books, Recent, on public health, Academy Library Exhibit, 563

Bowen-Brooks Scholarships, The, Milton J. Raisbeck, Sheldon M. Levin, Everett Shocket, 545

Boyer, Francis, Direct mail promotion, 207 Brand, Leonard, and Lester C. Mark, Why use analeptics? 702

Breed, Ernest S., see Panel Meetings, Potassium therapy, 21

C

Cain, George, R., Detail man, What the pharmaceutical industry expects of the, 126

Calcification, Intracranial, associated with hypoparathyroidism, Philip Levin, 632

Cancer chemotherapy, history and present status, John R. Heller, 348

- Cancer, Prospects for biological control of, Robert C. Mellors, 75
- Carcinoma of the cervix uteri, Radiation therapy of, Ruth Guttmann, 513
- Cardiovascular disease, acquired, Long-term results of surgery for, see Panel Meetings, 169
- Carpenter (Wesley M.) Lecture, 70th, Starling's hypothesis in the formation of edema, Francis P. Chinard, 375
- Carrion, Arturo L., Joseph Gardner Hopkins, see Symposia, Fungi and fungus diseases, Three pioneer New York medical mycologists, 108
- Chadwick, Donald R., Moderator, see Panel, Today's medical problems in ionizing radiation, 727
- Chemistry of the individual neuron, The, Oliver H. Lowry, see Symposia, Clinical significance of the ultrastructure of the nervous system, 788
- Chinard, Francis P., Starling's hypothesis in the formation of edema (70th Wesley M. Carpenter Lecture), 375
- Christian, Charles L., Serological reactions; the rheumatic factor in rheumatoid arthritis, 579.
- Clinical significance of the ultrastructure of the nervous system, The, Symposium, 788
- Clinical testing, Importance of, in determining the efficacy and safety of drugs, Committee on Public Health, 415
- Committee on Public Health, Golden Anniversary Address, H. D. Kruse, 535

Committee on Public Health Reports,

Effective administration of inhalational therapy with special reference to ambulatory and emergency oxygen treatment, 135

Hazards of Radiation, The, 440

Importance of clinical testing in determining the efficacy and safety of drugs, The, 415

Medicine and the law, 271

Pharmaceutical advertising, 46

Signing of death certificates, 213

- Common psychoneuroses, Recognition and management of the, See Panel Meetings, 88
- Conflicting demands of patient service and education in house officer training programs, H. D. Kruse, 756

- Congress, The, and the nation's health, John E. Fogarty, 196
- Cope, Oliver, Moderator, see Panel Meetings, Treatment of medical and surgical diseases of the thyroid gland, 460
- Craig, Howard Reid, Citation and presentation of the Academy Plaque to Robert L. Levy, 245
- Current concepts in the treatment of common congenital heart defects, see Panel Meetings, 606

\mathbf{D}

- Dalldorf, Gilbert, Chairman, see Symposia, Fungi and fungus diseases, Three pioneer New York medical mycologists, 108
- Death certificates, Report on signing of, Committee on Public Health, 213
- Diuretics, Mercurial, Marvin F. Levitt and Marvin H. Goldstein, 249
- Dobzhansky, Theodosius, Genetics, society and evolution (The Ludwig Kast Lecture), 451
- Dripps, Robert D., Decisions for a specialty, 264
- Drugs, Importance of clinical testing in determining the efficacy and safety of, Committee on Public Health, 415
- Dunham, Charles L., Today's medical problems in ionizing radiation, see Symposia, 727

\mathbf{E}

- Edema, formation of, Starling's hypothesis in the, Francis P. Chinard, 375
- Education, Promotion versus, E. Gifford Upjohn, 59
- Eisenbud, Merril, Sources of ionizing exposure to the general public, see Symposia, Today's medical problems in ionizing radiation, 727
- Epilepsy, Temporal lobe, see Symposia, 652 Exposure of patient and physician by diagnostic and therapeutic devices, Norman Simon, see Symposia, Today's medical problems in ionizing radiation, 727

F

Farber, Saul J., Moderator, see Panel Meetings, Potassium therapy, 21

Farrow, Joseph H., Management of metastatic breast cancer by hormone manipulation, 151

Fasano, Carl V., see Smith, Byron, 163

Ferguson, Shirley M., Psychiatric and behavioral aspects, see Symposia, Temporal lobe epilepsy, 652

Fogarty, John E., The Congress and the nation's health, 196

Fox (Howard) Memorial Lecture, First, Remarks on tropical dermatology, V. Pardo-Castello, 819

Fox, T. F., Personal medicine, 527

Frantz, Virginia Kneeland, see Panel Meetings, Treatment of medical and surgical diseases of the thyroid gland, 460

Frazier, Shervert H., see Panel Meetings, Recognition and management of the common psychoneuroses, 88

Fungi and fungus diseases. Three pioneer New York mycologists, see Symposia, 108

G

Gellhorn, Alfred, Discussion, Cancer chemotherapy, history and present status, John R. Heller, 360

Genetics, society and evolution (The Ludwig Kast Lecture), Theodosius Dobzhansky, 451

Georg, Lucille K., Rhoda Williams Benham, see Symposia, Fungi and fungus diseases. Three pioneer New York mycologists, 108

Glenn, Frank, Address of the president of the Academy, 237

Glenn, Frank, Introductory remarks at the inauguration of the Section on Occupational Medicine, 303

Golden Anniversary Address, The sails were set, H. D. Kruse, Committee on Public Health, 535

Goldensohn, Eli, Neurological and electrical aspects, see Symposia, Temporal lobe epilepsy, 652

Goldstein, Marvin H., see Levitt, Marvin F.,

Guttmann, Ruth, Radiation therapy of carcinoma of the cervix uteri, 513

Н

Handling of patients contaminated by or exposed to radioactive isotopes and ionizing radiation, Roy E. Albert, see Symposia, Today's medical problems in ionizing radiation, 727

Hardt, Robert A., Role of medical journal advertising in pharmaceutical promotion, The, 286

Harley, John H., Ingestion of foodstuffs contaminated with radioactive isotopes, see Symposia, Today's medical problems in ionizing radiation, 727

Hausman, Louis, Tribute to Harold G. Wolff, 826

Heart defects, common congenital, Currrent concepts in the treatment of, see Panel Meetings, 606

Heller, John R., Cancer chemotherapy, history and present status, 348

Hormone manipulation, Management of metastatic breast cancer by, John H. Farrow, 151

House officer training programs, Conflicting demands of patient service and education in, H. D. Kruse, 756

Hypoparathyroidism, Intracranial calcification associated with, Philip Levin, 632

1

Importance of clinical testing in determining the efficacy and safety of drugs, The, see Committee on Public Health, 415

Ingestion of foodstuffs contaminated with radioactive isotopes, John H. Harley, see Symposia, Today's medical problems in ionizing radiation, 727

Inhalation therapy, Effective administration of, see Committee on Public Health, 135

Inventum Novum, The, of Joseph Leopold Auenbrugger, J. James Smith, 691

Ionizing radiation, Today's medical problems in, see Symposia, 727 K

- Kast (Ludwig) Lecture, Genetics, society and evolution, Theodosius Dobzhansky, 451
- Kesten, Beatrice M., Our little colony and how it grew, see Symposia, Fungi and fungus diseases. Three pioneer New York medical mycologists, 108
- Kety, Seymour S., Regional neurochemistry and its application to brain function, see Symposia, The clinical significance of the ultrastructure of the nervous system, 799
- Klemperer, Paul, Citation and presentation of the Academy Medal to, George Baehr, 241
- Knowlton, Abbie I., see Panel Meetings, Potassium therapy, 21
- Kossmann, Charles E., see Panel Meetings, Potassium therapy, 21
- Kruse, H. D., Conflicting demands of patient service and education in house officer training programs, 756
- Kruse, H. D. The sails were set, Golden Anniversary Address, Committee on Public Health, 535

L

- Law, Medicine and the, Committee on Public Health, 271
- Levin, Philip, Intracranial calcification associated with hypoparathyroidism, 632 Levin, Sheldon M., see Bowen-Brooks scholarships, 545
- Levitt, Marvin F. and Marvin H. Goldstein, Mercurial diuretics, 249
- Levy, Robert L., Citation and presentation of the Academy Plaque to, Howard Reid Craig, 245
- Library, Academy, Recent books on public health, exhibit, 563
- Linksz, Arthur, Pathophysiology of amblyopia; an introduction to pleoptics, 311
- Liver disease, New functional principles in diagnostic aspects of, Oscar Bodansky, 711
- Long-term results of surgery for acquired cardiovascular disease, see Panel Meetings, 169
- Lord, Jere W., Jr., Moderator, see Panel

- Meetings, Current concepts in the treatment of common congenital heart defects, 606
- Lowry, Oliver H., Chemistry of the individual neuron, The, see Symposia, Clinical significance of the ultra-structure of the nervous system, 788
- Lupus erythematosus, systemic, Antinuclear factors and serum complement in, J. H. Morse, H. J. Müller-Eberhard and H. G. Kunkel, 641

M

- Management of allergic states, see Panel Meetings, 390
- Manley, James R., M.D., A voice crying in the wilderness of medical education, Byron Stookey, 491
- Medical care, The expanding costs of, Paul I. Robinson, 587
- Medicine and the law, Committee on Public Health, 271
- Mellors, Robert C., Prospects for the biological control of cancer, 75
- Mercurial diuretics, Marvin F. Levitt and Marvin H. Goldstein, 249
- Merritt, H. Houston, Discussion, see Symposium, Temporal lobe epilepsy, 652
- Merritt, H. Houston, Neurological and psychiatric implications of basic studies of the ultrastructure of the nervous system, see Symposia, Clinical significance of the ultrastructure of the nervous system, 788
- Metastatic breast cancer, Management of, by hormone manipulation, Joseph H. Farrow, 151
- Microbiology, Section on (abstracts)
 - Basic science approach in the management of urinary tract infections, Harry Seneca, 832
 - Dependence of cell-free protein synthesis upon naturally occurring or synthetic template RNA, Marshall W. Nirenberg and J. Heinrich Matthaei, 145
 - Expression of genes of E. coli in S. marcescens, C. Levinthal, E. R. Signer and A. Torriani, 365
 - Genetic relationships among the enterobacteriaceae, Stanley Falkow, 364

- Kinetic studies of ribosome synthesis, Richard B. Roberts, 145
- Laboratory and clinical studies in experimental infectious hepatitis, Joseph D. Boggs, Wilton A. Rightsel and I. W. McLean, Jr., 291
- Laboratory investigation of viral isolates from cases of infectious hepatitis, Eldon V. Davis, 293
- Natural history of acute respiratory disease:
 - a. general considerations, Robert M. Chanock, 443
 - b. patterns in infancy and childhood, Robert H. Parrott, 443
 - c. patterns in adults, Karl Johnson,
- Priming role of DNA in RNA biosynthesis, Jerard Hurwitz and John J. Furth, 144
- Public health and preventive significance of bacteriuria, Edward H. Kass, 830
- Relationship of the properties of DNA to problems of bacterial taxonomy, Julius Marmur, 364
- Studies of human hepatitis viruses. I. Biological, I. W. McLean, Jr. and Wilton A. Rightsel, 291
- Studies of human hepatitis viruses. II. Biophysical, A. R. Taylor, 292
- Urinary tract infections and their complications: incidence, prevention and bacteriologic suppression, Christopher Martin, 831
- Millet, John A. P. Discussion, see Symposia, Clinical significance of the ultrastructure of the nervous system, 788
- Morse, J. H., H. J. Müller-Eberhard and H. G. Kunkel, Antinuclear factors and serum complement in systemic lupus erythematosus, 641
- Municipal hospital system in transition, The, Ray E. Trussell, 221

N

- Nelson, Carl T., Bernard Ogilvie Dodge, see Symposia, Fungi and fungus diseases, 108
- Nephrotic syndrome in adults, The, E. Lovell Becker, 3

- Nervous system, Clinical significance of the ultrastructure of the, Symposium, 788
- Neurological and electrical aspects, Eli Goldensohn, see Symposia, Temporal lobe epilepsy, 652
- Neurological and psychiatric implications, H. Houston Merritt, see Symposia, Clinical significance of the ultra-structure of the nervous system, 788
- Neurosurgical aspects, Joseph Ransohoff and J. Lawrence Pool, see Symposia, Temporal lobe epilepsy, 652
- New functional principles in diagnostic aspects of liver disease, Oscar Bodansky, 711
- New York Academy of Medicine, The, 1962 Officers of Affiliated Societies, 575

Officers of Sections, 575

Officers and staff, 570

Officers of Standing and Special Committees, 571

Other committees appointed annually by the president, 573

New York Heart Association (abstracts)

- Action potential duration and functional refractory period of canine false tendon, papillary muscle and ventricular epicardial cells, E. Neil Moore, 834
- Correlates of renal hemodynamics and function in hemorrhagic shock in the intact dog: the absence of autoregulation of renal blood flow and glomerular filtration rate, Stanley I. Harris, Elizabeth Mallonga, Robert H. Goetz and David State, 836
- Effects of urea on renal concentrating capacity in man, Philip R. Steinmetz,
- Lysine uptake and potassium loss by human erythrocytes, Hugh J. Carroll and Allan M. Wolfe, 835
- Primary and secondary pulmonary vasopressor responses to acetylcholine demonstrated by the wedged catheter perfusion technique, Seiichi Shimomura, Richard N. Pierson, Veljko Krstulovic, A. L. Loomis Bell, Jr.,
- Regulation of coronary blood flow, Paul W. Mosher, John Ross, Jr., Patricia A. McFate, Robert F. Shaw, 838

New York Pathological Society (abstracts)

- A case of generalized myelomatosis, Ralph C. Attanasi, 504
- Antibodies against cells, Robert W. Wissler, 64
- Glomerular structure in proteinuria, W. Mautner, J. Churg., E. Grishman and S. Dachs, 773
- Histologic observations of the arterial wall during vasoconstriction, Bernard M. Wagner, 66
- Juxtaglomerular cells, aldosterone, renin and hypertension, W. Stanley Hartroft and Phyllis M. Hartroft, 769
- On the nature of amyloid, Earl P. Benditt, 371
- Pathological iron metabolism in the bone marrow as seen with the electron microscope, Marcel Bessis, 366
- Primary melanoma of the meninges, Nora Spens, 506
- Rubidium and the adrenal cortex, Ludwig Glasser, 502
- Selective inhibition of S-91 in mouse melanoma by phenyl lactate, in vitro, Harry Demopoulos, 509
- Studies on oxidative and hydrolytic enzymes in synovial membrane of normal and arthritic patients, Peter Barland and David Hamerman, 507
- Ultrastructure of bone cells, David Spiro, 368
- Use of ferritin-conjugated antibody to localize intracellular viral antigen by means of electron microscopy, Councilman Morgan, 370
- Virus etiology of human leukemia, Steven O. Schwartz, 141

0

- Occupational Medicine, Introductory remarks at the inauguration of the Section on, Frank Glenn, 303
- Occupational physician and the community, The, James H. Sterner, 305
- Oral hypoglycemic agents, The use of, 323, see Panel Meetings

P

Panel Meetings

- Current concepts in the treatment of common congential heart defects, Jere W. Lord, *Moderator*, Joseph F. Artusio, Jr., Sidney Blumenthal, Elliott S. Hurwitt and Edmund H. Reppert, 606
- Long-term results of surgery for acquired cardiovascular disease, Charles E. Kossmann, *Moderator*, Laurence B. Ellis, Réjane M. Harvey and Julian Johnson, 169
- Management of allergic states, Horace S. Baldwin, *Moderator*, Earl F. Limbach, Maclyn McCarty, Sheppard Siegal and Marion B. Sulzberger, 390
- Potassium therapy, Saul J. Farber, *Moderator*, Henry L. Barnett, Ernest S. Breed, Abbie I. Knowlton, Charles E. Kossmann, 21
- Recognition and management of the common psychoneuroses, Dana W. Atchley, *Moderator*, Shervert H. Frazier, William B. Terhune, S. Bernard Wortis, 88
- Treatment of medical and surgical diseases of the thyroid gland, Oliver Cope, *Moderator*, George Crile, Jr., Virginia Kneeland Frantz and Solomon Silver, 460
- The use of oral hypoglycemic agents, Edward Tolstoi, *Moderator*, Martin G. Goldner, Israel S. Kleiner, William S. Norton, II and Jules Pomeranze, 323
- Pardo-Castello, V., Some remarks on tropical dermatology (The First Howard Fox Memorial Lecture), 819
- Pathophysiology of amblyopia; an introduction to pleoptics, Arthur Linksz, 311
- Patient service and education, Conflicting demands of, in house officer training programs, H. D. Kruse, 756
- Personal medicine, T. F. Fox, 527
- Personal observations, Robert J. Strobos, see Symposia, Temporal lobe epilepsy, 652
- Pharmaceutical advertising, Report on, Committee on Public Health, 46
- Pharmaceutical industry, What the . . . expects of the detail man, George R.

Cain, 126

Pharmaceutical promotion, Role of medical journal advertising in, Robert A. Hardt, 286

Pleoptics, an introduction to; Pathophysiology of amblyopia, Arthur Linksz, 311

Pool, J. Lawrence, *Moderator*, see Symposia, Temporal lobe epilepsy, 652

Potassium therapy, see Panel Meetings, 21 Promotion versus education, E. Gifford Upjohn, 59

Psychiatric and behavioral aspects, Shirley M. Ferguson, see Symposia, Temporal lobe epilepsy, 652

Public health, Recent books on, Academy Library exhibit, 563

Purpura, Dominick P., Discussion, see Symposia, Temporal lobe epilepsy, 652

R

Radiation, Hazards of, see Committee on Public Health, 440

Radiation, ionizing, Today's medical problems in, see Symposia, 727

Radiation therapy of carcinoma of the cervix uteri, Ruth Guttmann, 513

Raisbeck, Milton J., see Bowen-Brooks scholarships, 545

Ransohoff, Joseph and J. Lawrence Pool, Neurosurgical aspects, see Symposia, Temporal lobe epilepsy, 652

Rayport, Mark, Discussion, see Symposia, Temporal lobe epilepsy, 652

Recognition and management of the common psychoneuroses, see Panel Meetings, 88

Regional neurochemistry and its application to brain function, Seymour S. Kety, see Symposia, Clinical significance of the ultrastructure of the nervous system, 788

Rheumatoid arthritis, Serological reactions: the rheumatoid factor in, Charles L. Christian, 579

Robbins, William J., Notes on the evolution of botanical research in New York City, see Symposia, Fungi and fungus diseases, 108

Robinson, Paul I., Expanding costs of medical care, The, 587

S

Sails were set, The, H. D. Kruse, 535

Serological reactions: the rheumatoid factor in rheumatoid arthritis, Charles L. Christian, 579

Serum complement in systemic lupus erythematosus, Antinuclear factors and, J. H. Morse, H. J. Müller-Eberhard and H. G. Kunkel, 641

Shocket, Everett, see Bowen-Brooks scholarships, 545

Silver, Solomon, see Panel Meetings, Treatment of medical and surgical diseases of the thyroid gland, 460

Simon, Norman, Exposure of patient and physician by diagnostic and therapeutic devices, see Symposia, Today's medical problems in ionizing radiation, 727

Smith, Byron and Carl V. Fasano, Diagnosis and treatment of baggy eyelids, 163

Smith, J. James, The *Inventum Novum* of Joseph Leopold Auenbrugger, 691

Sources of ionizing exposure to the general public, Merril Eisenbud, see Symposia, Today's medical problems in ionizing radiation, 727

Specialty, Decisions for a, Robert D. Dripps, 264

Starling's hypothesis in the formation of edema, Francis P. Chinard, 375

Sterner, James H., The occupational physician and the community, 305

Steroids, lysosomes and systemic lupus erythematosus, Gerald Weissman and Lewis Thomas, 779

Stookey, Byron, James R. Manley, M.D., 1782-1851, A voice crying in the wilderness of medical education, 491

Strobos, Robert J., Personal observations, Symposia, Temporal lobe epilepsy, 652 Symposia

Clinical significance of the ultra-structure of the nervous system, Oliver H. Lowry, *Moderator*, Seymour S. Kety, H. Houston Merritt, John A. P. Millet, 788

Fungi and fungus diseases. Three pioneer New York medical mycologists,
Gilbert Dalldorf, Chairman, William J. Robbins, Arturo L. Carrion, Carl
T. Nelson, Lucille K. Georg and Bea-

trice M. Kesten, 108

Temporal lobe epilepsy, J. Lawrence Pool, Moderator, Dominick P. Purpura, Robert J. Strobos, Shirley M. Ferguson, S. Bernard Wortis, Joseph Ransohoff, Mark Rayport and H. Houston Merritt, 652

Today's medical problems in ionizing radiation, Donald R. Chadwick, Moderator, Charles L. Dunham, Merril Eisenbud, John H. Harley, Norman Simon, Roy E. Albert, 727

T

Temporal lobe epilepsy, see Symposia, 652 Terhune, William B., see Panel Meetings, Recognition and management of the common psychoneuroses, 88

Thomas, Lewis, see Weissmann, Gerald, 779
Thyroid gland, Treatment of medical and
surgical diseases of the, see Panel
Meetings, 460

Today's medical problems in ionizing radiation, see Symposia, 727

Tolstoi, Edward, *Moderator*, see Panel Meetings, The Use of oral hypoglycemic agents, 323

Treatment of medical and surgical diseases

of the thyroid gland, see Panel Meetings, 460

Tropical dermatology, Some remarks on, V. Pardo-Castello, 819

Trussell, Ray E., The Municipal hospital system in transition, 221

U

Ultra-structure of the nervous system, Clinical significance of the, see Symposia, 788

Upjohn, E. Gifford, Promotion versus education, 59

Use of oral hypoglycemic agents, The, see Panel Meetings, 323

W

Weissmann, Gerald and Lewis Thomas, Steroids, lysosomes and systemic lupus erythematosus, 779

Why use analeptics? Leonard Brand and Lester C. Mark, 702

Wolff, Harold G., Tribute to, Louis Hausman, 826

Wortis, S. Bernard, see Panel Meetings, Recognition and management of the common psychoneuroses, 88

BULLETIN

OF THE NEW YORK ACADEMY OF MEDICINE

EDITORIAL BOARD

CHARLES E. KOSSMANN, Chairman

GERTRUDE L. ANNAN MARGARET BEVANS RALPH W. GAUSE

CHARLES A. RAGAN, JR.

ROBERT L. CRAIG, Secretary and Editor

VOLUME 38

THE NEW YORK ACADEMY OF MEDICINE NEW YORK 29, N. Y.

CURRENT PERIODICALS IN THE FIELD OF CANCER*

ALGERIA:

Bulletin algérien de carcinologie.

ARGENTINA:

Anales del Instituto de Oncologia "Angel H. Roffo". Memoria anual del Instituto de Medicina Experimental para el Estudio y Tratamiento del Cáncer.

AUSTRIA:

Krebsarzt.

BELGIUM:

Acta; Unio Internationalis Contra Cancrum.

BRAZIL:

Arquivos de oncologia.

Boletim de oncologia (published in: Revista brasileira

de cirurgia).

Revista brasileira de cancerologia.

CUBA:

Boletín de la Liga Contra el Cáncer.

czechoslovakia: Ce

Ceskoslovenská Roentgenologie.

Neoplasma.

FRANCE:

Bulletin de l'Association Française pour l'Etude du

Cancer. Cancérologie.

Index analyticus cancerologiae.

Lutte contre le cancer.

GERMANY:

Archiv für Geschwulstforschung.

Beiträge zur Krebsforschung. Zeitschrift für Krebsforschung.

HUNGARY:

Magyar onkologia.

ITALY:

Archivio italiano di patologia e clinica dei tumori.

Bollettino della Fondazione Sen[atore] Pascale Cen-

tro per la Diagnosi e la Cura dei Tumori.

Bollettino di oncologia.

Cancro. Neoplasie.

Rivista di anatomia patologica e di oncologia.

Tumori.

^{*} Not all the periodicals in this list are in the Academy Library.

[Gan no rinsho.] Japanese journal of cancer clinics. JAPAN:

> Gann; the Japanese journal of cancer research. Proceedings of the Japanese Cancer Association.

Revista del Instituto Nacional de Cancerología. MEXICO:

Revista mexicana de cirugía, ginecología y cáncer.

Excerpta medica. Section XVI. Cancer (experi-**NETHERLANDS:**

mental and clinical).

PERU: Trabajos de investigación cliníca y experimental.

Acta cancerológica,

Philippine journal of cancer. PHILIPPINES:

Nowotwory. POLAND:

PORTUGAL: Arquivo de patologia.

Boletim do Instituto Português de Oncologia.

Acta ibérica radiológica-cancerológica. SPAIN:

Revista española de oncología.

South African cancer bulletin, Suid-Afrikaanse Kan-SOUTH AFRICA:

kerbulletin.

Annual report on the results of treatment in carci-SWEDEN:

noma of the uterus.

Berättelse fran Styrelsen för Cancerföreningen

i Stockholm.

SWITZERLAND: Oncologia.

Progress in experimental tumor research. Fortschritte

der experimentellen Tumorforschung. Progrès de

la recherche expérimentale des tumeurs.

Kanser haberleri. TURKEY:

UNITED KINGDOM: British Empire Cancer Campaign. Annual report.

British journal of cancer.

British journal of experimental pathology.

Cancer progress.

Imperial Cancer Research Fund. Annual report.

Bull. N. Y. Acad. Med.

URUGUAY: Boletin del Instituto de Radiología y Centro de Estu-

dio y Lucha Contra el Cáncer.

U.S.A.: Advances in cancer research.

CA, a bulletin of cancer progress.

Cancer.

Cancer bulletin; Texas edition.

Cancer chemotherapy abstracts.

Cancer chemotherapy reports.

Cancer chemotherapy screening data (issued as part 2 of Cancer research).

Cancer cytology.

Cancer morbidity series [Public Health Service].

Cancer news.

Cancer research.

Cancer seminar.

Crusader (New York City Cancer Committee of American Cancer Society).

Current scientific literature review: cancer immunology abstracts.

Experimental cell research.

Growth.

Journal of the National Cancer Institute.

National Cancer Institute monographs.

Problems of oncology.

Proceedings of the American Association for Cancer Research.

Proceedings of the National Cancer Conference.

U.S.S.R.: Meditsinskii referativnyi zhurnal. Razd. VI. Onkologiya. Meditsinskaya radiologiya. Rentgenolo-

giya.]

[Sovremennye problemy onkologii.]

[Voprosy kliniki i lecheniya zlokachestvennykh no-

voobrazovanii].

[Voprosy onkologii].

VIET-NAM: Annales de l'Institut du Cancer du Viet-Nam.